



Am Test Inc.
 13600 NE 126TH PL
 Suite C
 Kirkland, WA 98034
 (425) 885-1664

**Professional
 Analytical
 Services**

Jul 13 2012
 Aquametrics
 1320 26th St NW
 Auburn, WA 98001
 Attention: Laren Meek

Dear Laren Meek:

Enclosed please find the analytical data for your project.

The following is a cross correlation of client and laboratory identifications for your convenience.

CLIENT ID	MATRIX	AMTEST ID	TEST
Source	Water	12-A009750	TTHM Flag, CONV, MIN, MET, TTHM, MET
Q2	Water	12-A009751	TTHM Flag, CONV, MIN, MET, TTHM, MET
Q4	Water	12-A009752	TTHM Flag, CONV, MIN, MET, TTHM, MET
Q6	Water	12-A009753	TTHM Flag, CONV, MIN, MET, TTHM, MET
Q8	Water	12-A009754	TTHM Flag, CONV, MIN, MET, TTHM, MET
D2	Water	12-A009755	TTHM Flag, CONV, MIN, MET, TTHM, MET
D4	Water	12-A009756	TTHM Flag, CONV, MIN, MET, TTHM, MET
D6	Water	12-A009757	TTHM Flag, CONV, MIN, MET, TTHM, MET
D8	Water	12-A009758	TTHM Flag, CONV, MIN, MET, TTHM, MET

Your samples were received on Tuesday, July 10, 2012. At the time of receipt, the samples were logged in and properly maintained prior to the subsequent analysis.

The analytical procedures used at AmTest are well documented and are typically derived from the protocols of the EPA, USDA, FDA or the Army Corps of Engineers.

Following the analytical data you will find the Quality Control (QC) results.

Please note that the detection limits that are listed in the body of the report refer to the Method Detection Limits (MDL's), as opposed to Practical Quantitation Limits (PQL's).

If you should have any questions pertaining to the data package, please feel free to contact me.

Sincerely,


 Aaron W. Young
 Laboratory Manager

BACT = Bacteriological
 CONV = Conventionals

MET = Metals
 ORG = Organics

NUT=Nutrients
 DEM=Demand

MIN=Minerals

Am Test Inc.
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www.amtestlab.com



Professional
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ANALYSIS REPORT

Aquametrics
1320 26th St NW
Auburn, WA 98001
Attention: Laren Meek
All results reported on an as received basis.

Date Received: 07/10/12
Date Reported: 7/13/12

AMTEST Identification Number 12-A009750
Client Identification Source
Sampling Date 07/10/12

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chlorine Residual	27.5	mg/l		0.1	EPA 330.5	ED	07/10/12

Minerals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Fluoride	17.	mg/l		0.2	EPA 300.0	MO	07/12/12

ICP/MS Metals 200.8

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Aluminum	3740	ug/L		0.5	EPA 200.8	CG	07/12/12
Arsenic	12200	ug/L		0.02	EPA 200.8	CG	07/12/12
Lead	43300	ug/L		0.05	EPA 200.8	CG	07/12/12

Total Metals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Mercury	15.1	mg/l		0.01	EPA 200.7	CG	07/13/12

Total Trihalomethanes

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chloroform	212000	ug/L		0.25	EPA 524.2	NLN	07/12/12
Chlorodibromomethane	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Bromoform	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Bromodichloromethane	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Trihalomethane Total	212000	ug/L		0.5	EPA 524.2	NLN	07/12/12

TTHM Surrogates

ANALYTE	% RECOVERY	LIMITS
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TTHM Surrogates continued...

ANALYTE	% RECOVERY	LIMITS
Bromofluorobenzene	104. %	70.0 - 130.

AMTEST Identification Number 12-A009751
Client Identification Q2
Sampling Date 07/10/12

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chlorine Residual	< 0.1	mg/l		0.1	EPA 330.5	ED	07/10/12

Minerals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Fluoride	0.66	mg/l		0.2	EPA 300.0	MO	07/12/12

ICP/MS Metals 200.8

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Aluminum	25.5	ug/L		0.5	EPA 200.8	CG	07/12/12
Arsenic	0.358	ug/L		0.02	EPA 200.8	CG	07/12/12
Lead	0.512	ug/L		0.05	EPA 200.8	CG	07/12/12

Total Metals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Mercury	< 0.01	mg/l		0.01	EPA 200.7	CG	07/13/12

Total Trihalomethanes

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chloroform	91.6	ug/L		0.25	EPA 524.2	NLN	07/11/12
Chlorodibromomethane	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/11/12
Bromoform	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/11/12
Bromodichloromethane	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/11/12
Trihalomethane Total	91.6	ug/L		0.5	EPA 524.2	NLN	07/11/12

TTHM Surrogates

ANALYTE	% RECOVERY	LIMITS
Bromofluorobenzene	102. %	70.0 - 130.

AMTEST Identification Number 12-A009752
Client Identification Q4
Sampling Date 07/10/12

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chlorine Residual	0.76	mg/l		0.1	EPA 330.5	ED	07/10/12

Minerals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Fluoride	4.1	mg/l		0.2	EPA 300.0	MO	07/12/12

ICP/MS Metals 200.8

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Aluminum	382.	ug/L		0.5	EPA 200.8	CG	07/12/12
Arsenic	1760	ug/L		0.02	EPA 200.8	CG	07/12/12
Lead	4860	ug/L		0.05	EPA 200.8	CG	07/12/12

Total Metals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Mercury	0.291	mg/l		0.01	EPA 200.7	CG	07/13/12

Total Trihalomethanes

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chloroform	17600	ug/L		0.25	EPA 524.2	NLN	07/12/12
Chlorodibromomethane	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Bromoform	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Bromodichloromethane	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Trihalomethane Total	17600	ug/L		0.5	EPA 524.2	NLN	07/12/12

TTHM Surrogates

ANALYTE	% RECOVERY	LIMITS
Bromofluorobenzene	106. %	70.0 - 130.

AMTEST Identification Number 12-A009753
Client Identification Q6
Sampling Date 07/10/12

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chlorine Residual	5.49	mg/l		0.1	EPA 330.5	ED	07/10/12

Minerals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Fluoride	9.9	mg/l		0.2	EPA 300.0	MO	07/12/12

ICP/MS Metals 200.8

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Aluminum	801.	ug/L		0.5	EPA 200.8	CG	07/12/12
Arsenic	3760	ug/L		0.02	EPA 200.8	CG	07/12/12
Lead	7920	ug/L		0.05	EPA 200.8	CG	07/12/12

Total Metals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Mercury	1.30	mg/l		0.01	EPA 200.7	CG	07/13/12

Total Trihalomethanes

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chloroform	26400	ug/L		0.25	EPA 524.2	NLN	07/12/12
Chlorodibromomethane	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Bromoform	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Bromodichloromethane	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Trihalomethane Total	26400	ug/L		0.5	EPA 524.2	NLN	07/12/12

TTHM Surrogates

ANALYTE	% RECOVERY	LIMITS
Bromofluorobenzene	107. %	70.0 - 130.

AMTEST Identification Number 12-A009754
Client Identification Q8
Sampling Date 07/10/12

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chlorine Residual	9.74	mg/l		0.1	EPA 330.5	ED	07/10/12

Minerals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Fluoride	11.	mg/l		0.2	EPA 300.0	MO	07/12/12

ICP/MS Metals 200.8

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Aluminum	1180	ug/L		0.5	EPA 200.8	CG	07/12/12
Arsenic	5080	ug/L		0.02	EPA 200.8	CG	07/12/12
Lead	12100	ug/L		0.05	EPA 200.8	CG	07/12/12

Total Metals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Mercury	3.22	mg/l		0.01	EPA 200.7	CG	07/13/12

Total Trihalomethanes

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chloroform	30900	ug/L		0.25	EPA 524.2	NLN	07/12/12
Chlorodibromomethane	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Bromoform	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Bromodichloromethane	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Trihalomethane Total	30900	ug/L		0.5	EPA 524.2	NLN	07/12/12

TTHM Surrogates

ANALYTE	% RECOVERY	LIMITS
Bromofluorobenzene	101. %	70.0 - 130.

AMTEST Identification Number 12-A009755
Client Identification D2
Sampling Date 07/10/12

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chlorine Residual	0.64	mg/l		0.1	EPA 330.5	ED	07/10/12

Minerals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Fluoride	5.2	mg/l		0.2	EPA 300.0	MO	07/12/12

ICP/MS Metals 200.8

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Aluminum	617.	ug/L		0.5	EPA 200.8	CG	07/12/12
Arsenic	3640	ug/L		0.02	EPA 200.8	CG	07/12/12
Lead	11300	ug/L		0.05	EPA 200.8	CG	07/12/12

Total Metals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Mercury	0.590	mg/l		0.01	EPA 200.7	CG	07/13/12

Total Trihalomethanes

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chloroform	27900	ug/L		0.25	EPA 524.2	NLN	07/12/12
Chlorodibromomethane	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Bromoform	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Bromodichloromethane	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Trihalomethane Total	27900	ug/L		0.5	EPA 524.2	NLN	07/12/12

TTHM Surrogates

ANALYTE	% RECOVERY	LIMITS
Bromofluorobenzene	102. %	70.0 - 130.

AMTEST Identification Number 12-A009756
Client Identification D4
Sampling Date 07/10/12

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chlorine Residual	0.31	mg/l		0.1	EPA 330.5	ED	07/10/12

Minerals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Fluoride	5.9	mg/l		0.2	EPA 300.0	MO	07/12/12

ICP/MS Metals 200.8

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Aluminum	514.	ug/L		0.5	EPA 200.8	CG	07/12/12
Arsenic	3330	ug/L		0.02	EPA 200.8	CG	07/12/12
Lead	9840	ug/L		0.05	EPA 200.8	CG	07/12/12

Total Metals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Mercury	0.482	mg/l		0.01	EPA 200.7	CG	07/13/12

Total Trihalomethanes

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chloroform	19700	ug/L		0.25	EPA 524.2	NLN	07/12/12
Chlorodibromomethane	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Bromoform	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Bromodichloromethane	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Trihalomethane Total	19700	ug/L		0.5	EPA 524.2	NLN	07/12/12

TTHM Surrogates

ANALYTE	% RECOVERY	LIMITS
Bromofluorobenzene	108. %	70.0 - 130.

AMTEST Identification Number 12-A009757
Client Identification D6
Sampling Date 07/10/12

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chlorine Residual	0.18	mg/l		0.1	EPA 330.5	ED	07/10/12

Minerals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Fluoride	7.2	mg/l		0.2	EPA 300.0	MO	07/12/12

ICP/MS Metals 200.8

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Aluminum	527.	ug/L		0.5	EPA 200.8	CG	07/12/12
Arsenic	3630	ug/L		0.02	EPA 200.8	CG	07/12/12
Lead	10200	ug/L		0.05	EPA 200.8	CG	07/12/12

Total Metals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Mercury	0.642	mg/l		0.01	EPA 200.7	CG	07/13/12

Total Trihalomethanes

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chloroform	14600	ug/L		0.25	EPA 524.2	NLN	07/12/12
Chlorodibromomethane	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Bromoform	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Bromodichloromethane	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Trihalomethane Total	14600	ug/L		0.5	EPA 524.2	NLN	07/12/12

TTHM Surrogates

ANALYTE	% RECOVERY	LIMITS
Bromofluorobenzene	100. %	70.0 - 130.

AMTEST Identification Number 12-A009758
Client Identification D8
Sampling Date 07/10/12

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chlorine Residual	1.70	mg/l		0.1	EPA 330.5	ED	07/10/12

Minerals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Fluoride	8.2	mg/l		0.2	EPA 300.0	MO	07/12/12

ICP/MS Metals 200.8

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Aluminum	714.	ug/L		0.5	EPA 200.8	CG	07/12/12
Arsenic	4660	ug/L		0.02	EPA 200.8	CG	07/12/12
Lead	13200	ug/L		0.05	EPA 200.8	CG	07/12/12

Total Metals

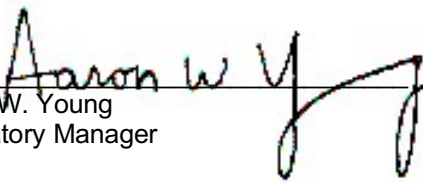
PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Mercury	1.49	mg/l		0.01	EPA 200.7	CG	07/13/12

Total Trihalomethanes

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Chloroform	22700	ug/L		0.25	EPA 524.2	NLN	07/12/12
Chlorodibromomethane	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Bromoform	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Bromodichloromethane	< 0.5	ug/L		0.5	EPA 524.2	NLN	07/12/12
Trihalomethane Total	22700	ug/L		0.5	EPA 524.2	NLN	07/12/12

TTHM Surrogates

ANALYTE	% RECOVERY	LIMITS
Bromofluorobenzene	98.3 %	70.0 - 130.



Aaron W. Young
Laboratory Manager

QC Summary for sample numbers: 12-A009750 to 12-A009758

DUPLICATES

SAMPLE #	ANALYTE	UNITS	SAMPLE VALUE	DUP VALUE	RPD
12-A009758	Chlorine Residual	mg/l	1.70	1.76	3.5
12-A009751	Fluoride	mg/l	0.66	0.70	5.9

MATRIX SPIKES

SAMPLE #	ANALYTE	UNITS	SAMPLE VALUE	SMPL+ SPK	SPK AMT	RECOVERY
12-A009751	Fluoride	mg/l	0.66	1.9	1.0	124.00 %
12-A009751	Fluoride	mg/l	0.66	1.4	1.0	74.00 %

MATRIX SPIKE DUPLICATES

SAMPLE #	ANALYTE	UNITS	SAMPLE + SPK	MSD VALUE	RPD
Spike	Fluoride	mg/l	1.9	1.4	30.
Spike	Aluminum	ug/L	701.	711.	1.4
Spike	Arsenic	ug/L	3770	3800	0.79
Spike	Arsenic	ug/L	51.0	51.3	0.59
Spike	Lead	ug/L	189.	187.	1.1
Spike	Lead	ug/L	10400	10500	0.96
Spike	Lead	ug/L	55.4	55.0	0.72

STANDARD REFERENCE MATERIALS

ANALYTE	UNITS	TRUE VALUE	MEASURED VALUE	RECOVERY
Chlorine Residual	mg/l	0.50	0.51	102. %
Aluminum	ug/L	25.0	27.0	108. %
Arsenic	ug/L	25.0	25.6	102. %
Arsenic	ug/L	25.0	25.0	100. %
Lead	ug/L	25.0	26.1	104. %
Lead	ug/L	25.0	26.4	106. %

BLANKS

ANALYTE	UNITS	RESULT
Chlorine Residual	mg/l	< 0.1
Fluoride	mg/l	< 0.2
Mercury	mg/l	< 0.01
Mercury	mg/l	< 0.01
Mercury	mg/l	< 0.01
Chloroform	ug/L	< 0.25
Chloroform	ug/L	< 0.25
Chlorodibromomethane	ug/L	< 0.5
Chlorodibromomethane	ug/L	< 0.5
Bromoform	ug/L	< 0.5
Bromoform	ug/L	< 0.5
Bromodichloromethane	ug/L	< 0.5

BLANKS continued....

ANALYTE	UNITS	RESULT
Bromodichloromethane	ug/L	< 0.5
Bromofluorobenzene	%	101.
Bromofluorobenzene	%	103.
Trihalomethane Total	ug/L	< 0.5
Trihalomethane Total	ug/L	< 0.5
Aluminum	ug/L	< 0.5
Aluminum	ug/L	< 0.5
Arsenic	ug/L	< 0.02
Arsenic	ug/L	< 0.02
Lead	ug/L	< 0.05
Lead	ug/L	< 0.05

AmTest Chain of Custody Record

13600 NE 126th PL, Suite C, Kirkland, WA 98034

Ph (425) 885-1664 Fx (425) 820-0245

www.amtestlab.com

Chain of Custody No. **16543**

Client Name & Address: <i>Aquametrics</i>	Invoice To:
Contact Person: <i>Larry Meek</i>	Invoice Contact:
Phone No:	PO Number:
Fax No:	Invoice Ph/Fax:
E-mail:	Invoice E-mail:
Report Delivery: (Choose all that apply) Mail / Fax / Email / Posted Online	Data posted to online account: YES / NO Web Login ID:

Special Instructions:

Requested TAT: **(Rush must be pre-approved by lab)**
Standard RUSH (5 Day / 3 Day / 48 HR / 24 HR)

Temperature upon Receipt:

Project Name:		Date Sampled	Time Sampled	Matrix:	No. of containers	Analysis Requested							QA/QC
AmTest ID	Client ID (35 characters max)					T _H M	Fluoride ^{FC}	Arsenic	Lead	Mercury ^{CV}	Aluminum	CL-R	
9750	Source	7/10/12		W		X	X	X	X	X	X	X	
51	Q2												
52	Q4												
53	Q6												
54	Q8												
55	D2												
56	D4												
57	D6												
58	D8												

Collected/Relinquished By: <i>Aaron</i>	Date <i>7/10/12</i>	Time	Received By: <i>[Signature]</i>	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time

COMMENTS: